

Title (en)

AQUEOUS 2-COMPONENT PAINT FORMULATION AND USE OF THE LATTER IN THE PRODUCTION OF MOULDED PARTS

Title (de)

WÄSSRIGE 2-KOMPONENTEN-LACKFORMULIERUNG UND DEREN VERWENDUNG BEI DER HERSTELLUNG VON FORMTEILEN

Title (fr)

FORMULATION AQUEUSE DE PEINTURE A DEUX COMPOSANTS ET SON UTILISATION LORS DE LA PRODUCTION DE PIECES MOULEES

Publication

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Application

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Abstract (en)

[origin: WO2006125432A1] The invention relates to a 2-component paint formulation for anin-mould coating process, containing: A) between 40 and 90 wt. % (in relation to the total formulation) of at least one aqueous non-functional or hydroxy-functional resin dispersion; B) between 5 and 40 wt. %, (in relation to the total formulation), of at least one curing component with a free isocyanate group content of between 10 and 23 wt. %, (in relation to the solid resin); C) fillers, pigments, auxiliary agents and additives in quantities that amount to 100 %. Said composition is characterised in that component A) contains i) preferably between 0.5 and 3.0 wt. %, (in relation to the total weight of component A), of at least one polyfunctional aziridine compound as a curing agent and ii) preferably between 0.2 and 2.0 wt. %, (in relation to the total weight of component A), of at least one amine compound as a catalyst, said compound comprising at least one tertiary nitrogen atom and at least one hydroxyl group. The invention also relates to the use of said paint formulations as in-mould coatings in the production of moulded parts.

IPC 8 full level

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